Application No: 09/804,385

AMENDMENT

In the Specification

Please add the following new paragraph, on page 7 following paragraph 1:

Figure 6 is an illustration of a computer system having a display device in accordance with an embodiment of the present invention.

Please replace paragraph 1 beginning on page 8 with the following rewritten paragraph:

Figure 1 depicts the preferred embodiment of the disclosed invention and is a pictorial overview of a user interactive session showing relationships between said data buffer 1 and viewable display areas 2, 3, 4, 16, and 19 shown at various stages in the viewing process scrolling through said data buffer 1. Data buffer 1 is a collection of data which may reside in memory or other digital storage location of a computer 28. Data buffer 1, containing data 5, 6, 7, 8, 9, is pictorially shown as pages sized approximately to be display screens of data. Data buffer 1 contains more data than can fit in a single display area of 2, 3, 4, 16, or 19. When a user has started or resumed a viewing session and may travel from top 5 to bottom 9 of data buffer 1, a viewable display area 2 is shown as it would display a portion of data 6, which is substantially near the top of data buffer 1, is displayed as data 10 on display area 2, and is detected and is statused by the system as the currently displayed data 6, with the size of the data essentially corresponding to the size of the viewable area. Data 5 which may have previously been displayed on display area 2 prior to the screen update which displayed data 6, now has it's status set as previously displayed data. Other data 5, 7, 8, 9 exists in data buffer 1, and is not currently displayed on display area 2 because of size restrictions. Data 7, 8, 9, which heretofore has never displayed has its status set as never displayed data. Scroll bars and controls 15a preferably are employed by the user to invoke moving said data buffer 1, in particular data 5, 6, 7, 8, and 9 through to said

display area 2, for various screen updates. As a user may travel toward the end of said data buffer 1, to display data set 8, which is shown displayed on a display area 3 as displayed data 11, all data at this time in the course of events that were previously displayed are statused as previously displayed data. Continuing from this given position 8 in said data buffer 1, the user may choose to initiate a full page scroll down in the display area 3, using controls 15b, whereas the remaining data 9 in said data buffer 1, currently statused as never displayed, and data 9 being smaller than what is required to fill a display area 4, the scroll action results in a display area 4 with said never displayed data 9 being displayed as data 12, and now previously displayed data 8 being partially displayed in display area 4 including a means of marking, shading, or otherwise differentiated displayed data 13. Said marking means allows easy and accurate continuation of viewing by the user whereas the new data 12 is not displayed with a starting location as expected by the user, as may have been the norm for previous scroll events. Display area 16 shows the result of a partial reverse scroll operation initiated from display area 2. In display area 2, data 10 is the displayed data of data 6, and has no shading in the display because all of data 6, which became displayed data 10, was statused as never before displayed data. If the scrolling control 15a is used to partially scroll backwards whereby part of data 5 and part of data 6 is to be displayed on display area 16, data 5 is displayed as data 18 and data 6 is displayed as data 17. Data 18 is shaded based on the status of data 5 as being previously displayed data.